
LINCOLN COUNTY

(Lincoln County Water Service Area Map)

- Estimated 1999 population of 22,500--85% on public water
- Estimated 2020 population of 26,100--88% on public water
- 510 miles of water lines, with plans for 90 additional miles
- Estimated funding needs for public water 2000-2005--\$6,155,000
- Estimated funding needs for public water 2006-2020--\$3,935,000

Lincoln County had an estimated population of 22,511 (9,109 households) in 1999 with a projected population of 26,059 (11,410 households) in 2020. Public water is provided to about 85 percent of the county's residents. In areas of the county not served by public water, about 44 percent of the households rely on private domestic wells and 56 percent of the households rely on other sources. About 350 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
LINCOLN								-
Stanford				920		2,800		3,720
Crab Orchard				110				110
Hustonville				310				310
Eubank	8.0	55	320					320
McKinney	31.5	115	1,445					1445
W. Rockcastle W/A	5.0	18	250					250
TOTAL	44.5	188	2,015	1,340		2,800	0	6,155

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
LINCOLN								-
Stanford				1,100			460	1,560
Crab Orchard				170				170
Hustonville				35				35
Eubank	20	96	900					900
McKinney	15	31	715					715
W. Rockcastle W/A	9	21	480					480
Garrard Co. W/A	1.5	15	75					75
Total	45.5	163	2,170	1,305			460	3,935

WATER SERVICE AREAS

LINCOLN COUNTY

Kentucky

Prepared By:
Water Resource Development Commission

Department for Local Government
1024 Capital Center Drive, Suite 340
Frankfort, Kentucky 40601-8204
502-573-2382 -- 502-573-2939 fax
<http://dlgnt1.state.ky.us/wrdc/>

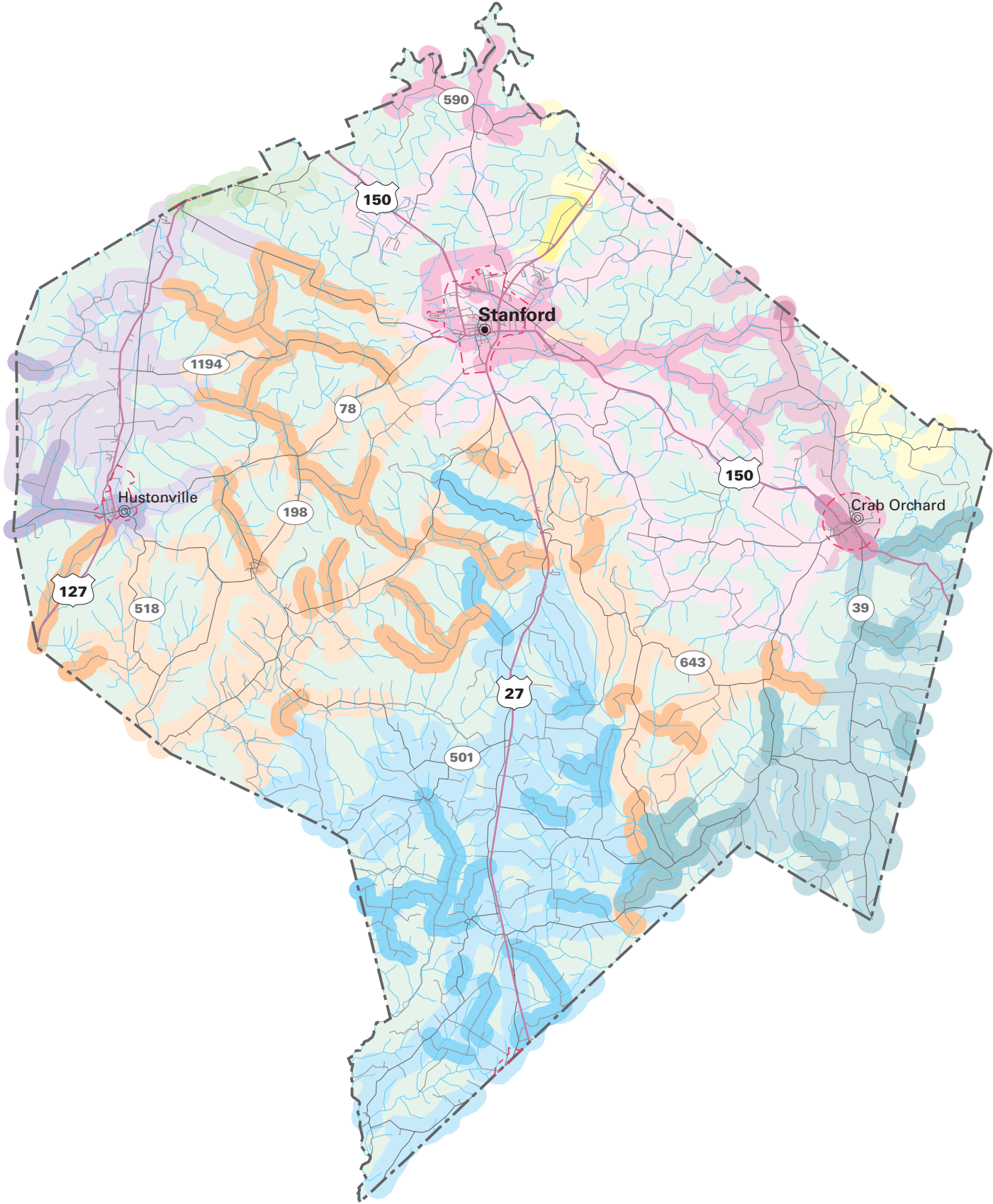
Bob Arnold, Chairman
Lawrence Wetherby, Executive Director

Final GIS & Cartographic Operations By:
Kent Anness & Kim Prough

Data Collection & GIS Input By:
Kentucky Area Development Districts



LIMITATION OF LIABILITY: The Water Resource Development Commission has no reason to believe that there are any inaccuracies or defects in information incorporated in this work and make no representations of any kind, including, but not limited to, the warranties of merchantability or fitness for a particular use, nor any such warranties to be implied, with respect to the information or data furnished herein.



WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		WESTERN ROCKCASTLE WATER ASSOCIATION
		STANFORD WATER WORKS
		SOUTHEASTERN WATER ASSOCIATION/NELSON VAL
		MCKINNEY WATER DISTRICT
		JUNCTION CITY WATER SYSTEM
		HUSTONVILLE WATER WORKS
		GARRARD COUNTY WATER ASSOCIATION INCORPORATED
		EUBANK WATER DISTRICT
		CRAB ORCHARD WATER DISTRICT

PUBLIC WATER SYSTEMS

Lincoln County has 4 community water systems: 2 municipal, Hustonville Water Works and Stanford Water Works; 2 water districts, Crab Orchard Water District and McKinney Water District. Parts of the county may also be served by Eubank Municipal Water, Garrard County Water Association, Junction City Municipal Water, Southeastern Water Association, and Western Rockcastle County Water Association.

CRAB ORCHARD MUNICIPAL WATER DISTRICT

PWSID: 0690089
System Type: COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 100,000.00
Total Service Connections: 553.00
Number of Employees: 2.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

HUSTONVILLE MUNICIPAL WATER WORKS

PWSID: 0690203
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source:
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 157,000.00
Total Service Connections: 1,300.00
Number of Employees: 2.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available

O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

MCKINNEY WATER DISTRICT

PWSID: 0690278
System Type: COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 100,000.00
Total Service Connections: 1,398.00
Number of Employees: 3.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: 5.14
O/M costs 1997: 307,660.00
O/M costs per Service Connection: 226.55
Net Revenue 1997: 21,426.00
Total Water Produced 1997 (gallons): 0.00
Water Sold 1997 (gallons): 69,675,000.00
Unaccounted-for Water 1997 (%): 14.17

STANFORD MUNICIPAL WATER WORKS

PWSID: 0690417
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source: TWO CITY RESERVOIR
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.94
Percent Daily Average Production: 90.00
Total Tank Storage Capacity (gallons): 300,000.00
Total Service Connections: 2,273.00
Number of Employees: 0.00
Treatment Operator Class: 2D
Distribution Operator Class: 3A
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

PRIVATE DOMESTIC SYSTEMS

About 3,300 residents of Lincoln County rely on private domestic water supplies: 1,450 on wells, and 1,850 on other sources.

In the northern end of Lincoln County, north of highway 150, in the valleys of Hanging Fork of the Dix River and the Dix River, most drilled wells will produce enough water for a domestic supply at depths of less than 100 feet. In most of Lincoln County wells located in the creek and river valleys will produce enough water for a domestic supply except during dry weather. In the upland areas of Lincoln County, which encompasses 80% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines that may produce enough water except during dry weather.

Throughout the county ground water is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.
